

Receiving Report

Date: 12/7/26

Batch No: M12251

Supplier: THYSSSEN

Dart P/O: 17463

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection: 14 12/07/27 N/A ☒
 Work Order: 9-85 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M304B0.5W X 0050		24	0	0	24	
M24B0625X340		12	0	0	12	
M6061T65032		96	0	0	96	
M7075T332500X3256		0	0	0	0	

Initials of receiver (if shipment OK) Level 12 ce

Production/Admin: 12/1/26
 Date
 Received/Costing
 Initial

Location _____

Purchase Order Receipt Listing

Thursday, July 26, 2012 8:56:04 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO17463 Receipt Dates from 7/26/2012 to 7/26/2012 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO17463	3	No	M303B1.000X1.000 f		7/25/2012 12.0000	7/26/2012 DESJ02	12.7000	\$13.49	0.0000	0	\$171.36
CAD			303 BAR 1" X 1"	f	12.0000	DESJ02		\$171.36	0.0000	0	
			122521								
	6	No	M304S11GA sf		7/23/2012 280.0000	7/26/2012 DESJ02	280.0000	\$8.85	0.0000	0	\$2,478.17
			304/316 0.125 Sheet sf		280.0000	DESJ02		\$2,478.17	0.0000	0	
			122521								
	7	No	M6061T6B0.500X01. f		7/23/2012 24.0000	7/26/2012	24.0000	\$1.55	0.0000	0	\$37.09
			250								
			6061-T6 Bar .500 x 1.25	f	24.0000	DESJ02		\$37.09	0.0000	0	
			122521								
	8	No	M6061T6B0.500X06. f		7/23/2012 24.0000	7/26/2012	24.0000	\$7.03	0.0000	0	\$168.78
			000								
			6061-T6 Bar .500 x 6.00	f	24.0000	DESJ02		\$168.78	0.0000	0	
			122521								
	9	No	M6061T6B0.750X01. f		7/23/2012 24.0000	7/26/2012	24.0000	\$2.62	0.0000	0	\$62.80
			500								
			6061-T6 Bar .750 X 1.50	f	24.0000	DESJ02		\$62.80	0.0000	0	
			122521								
	10	No	M6061T6B1.000X04. f		7/23/2012 24.0000	7/26/2012	24.0000	\$9.24	0.0000	0	\$221.77
			000								
			6061-T6 Bar 1.00 x 4.00	f	24.0000	DESJ02		\$221.77	0.0000	0	
			122521								
	11	No	M6061T6B1.250X01. f		7/23/2012 12.0000	7/26/2012	12.0000	\$3.60	0.0000	0	\$43.18
			250								
			6061-T6 Bar 1.25 x 1.25	f	12.0000	DESJ02		\$43.18	0.0000	0	
			122521								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recy Date/ Recy Emp	Recy Qty (PO U/M)	Cost Per Unit/ Recy Value	Inspected Qty Rejected Qty (PO U/M)	VRB Qty/ VRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO17463	12		M6061T6B1.500X02. f 000		7/23/2012	7/26/2012	12.0000	\$6.87	0.0000	0	\$82.43
CAD	No		6061-T6 Bar 1.50 x 2.00	f	12.0000	DES102		\$82.43	0.0000	0	
			122521								
	13		M6061T6B2.000X02. f 250	f	7/23/2012	7/26/2012	12.0000	\$11.61	0.0000	0	\$139.34
	No		6061-T6 Bar 2.00 x 2.25	f	12.0000	DES102		\$139.34	0.0000	0	
			122521								
	14		M6061T6R1.000	f	7/23/2012	7/26/2012	24.0000	\$1.80	0.0000	0	\$43.18
	No		ROUND BAR 1.00"	f	24.0000	DES102		\$43.18	0.0000	0	
			122521								
	15		M6061T6R3.500	f	7/23/2012	7/26/2012	12.0000	\$23.06	0.0000	0	\$276.73
	No		6061 RD bar 3.50	f	12.0000	DES102		\$276.73	0.0000	0	
			122521								
	17		M6061T6S.080	sf	7/23/2012	7/26/2012	96.0000	\$3.05	0.0000	0	\$292.43
	No		6061-T6 .080 Sheet	sf	96.0000	DES102		\$292.43	0.0000	0	
			122521								
	18		M6061T6S.125	sf	7/23/2012	7/26/2012	64.0000	\$4.75	0.0000	0	\$304.20
	No		6061-T6 .125 Sheet	sf	64.0000	DES102		\$304.20	0.0000	0	
			122521								
Total Received Quantity: Total Qty to Inspect (PO U/M): Total Reject Quantity: Total Receipt Value: Total Balance Due Quantity:											620.7000 0.0000 0.0000 \$4,321.47 0.0000

B I L L O F L A D I N G

No: PEC 777693

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship Date 23Jul12 at 10:57 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-472083- 1 Your PO # 17463
 STAINLESS STEEL SQ BAR 303 STAINLESS
 1.00" X 151.0000"

Heat Number Tag No
 245298 88401

Quantity PCS Wt LBS
 12 ' 7.0000 " 1 MTR 43

2) Our Order PEC-472083- 2 Your PO # 17463
 STAINLESS STEEL SHEET 304-2B
 .1200 Nom X 48.0000" X 120.0000"

Heat Number Tag No
 SF29688 88728

Quantity PCS Wt LBS
 280.00 SFT 7 MTR 1347

3) Our Order PEC-472083- 3 Your PO # 17463
 ALUMINUM FLAT BAR 6061-T6511
 .50" x 1.250" X 144.0000"

Heat Number Tag No
 Z00248009 88402

Quantity PCS Wt LBS
 24 FT 2 MTR 17

4) Our Order PEC-472083- 4 Your PO # 17463
 ALUMINUM FLAT BAR 6061-T6511
 .50" X 6.00" X 144.0000"

Heat Number Tag No
 201210006 88403

Quantity PCS Wt LBS
 24 FT 2 MTR 84

5) Our Order PEC-472083- 5 Your PO # 17463
 ALUMINUM FLAT BAR 6061-T6511
 .750" X 1.50" X 144.0000"

Heat Number Tag No
 HK079 712 88404

Quantity PCS Wt LBS
 24 FT 2 MTR 32

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

25 JUL. 2012

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G

No: PEC 777693

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 23Jul12 at 10:57 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (- 1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-472083- 6 Your PO # 17463

ALUMINUM FLAT BAR 6061-T6511

1.00" x 4.00" X 144.0000"

Heat Number
201210303Tag No
88405

Quantity 24 FT PCS 2 MTR Wt LBS 114

7) Our Order PEC-472083- 7 Your PO # 17463

ALUMINUM SQUARE BAR 6061-T6511

1.250" X 144.0000"

Heat Number
Z00240017Tag No
88406

Quantity 12 FT PCS 1 MTR Wt LBS 23

8) Our Order PEC-472083- 8 Your PO # 17463

ALUMINUM FLAT BAR 6061-T6511

1.50" x 2.00" X 144.0000"

Heat Number
201209117Tag No
88407

Quantity 12 FT PCS 1 MTR Wt LBS 43

9) Our Order PEC-472083- 9 Your PO # 17463

Part # OFFERING***** Rel #

ALUMINUM FLAT BAR 6061-T6511

2.00" x 2.50" X 144.0000"

Heat Number
C7331164Tag No
88408

Quantity 12 FT PCS 1 MTR Wt LBS 71

10) Our Order PEC-472083- 10 Your PO # 17463

ALUMINUM ROUND BAR 6061-T6511

1.00" DIA X 144.0000"

Heat Number
Z00216020Tag No
88409

Quantity 24 FT PCS 2 MTR Wt LBS 23

11) Our Order PEC-472083- 11 Your PO # 17463

ALUMINUM ROUND BAR 6061-T6511

3.50" DIA X 144.0000"

MTR

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
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25 JUL. 2012

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G

No: PEC 777693

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship Date 23Jul12 at 10:57 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

Heat Number	Tag No	Quantity	PCS	Wt LBS
21112151	88410	12 FT	1	140

12) Our Order PEC-472083- 12 Your PO # 17463

ALUMINUM SHEET 6061 T6

.0810 Nom X 48.0000" X 144.0000"

Heat Number	Tag No
25872/01/00	88035

Quantity
96.00 SFT

PCS
2

MTR Wt LBS
105

13) Our Order PEC-472083- 13 Your PO # 17463

ALUMINUM SHEET 6061 T6

.1250 Nom X 48.0000" X 96.0000"

Heat Number	Tag No
30286/01/00	88036

Quantity
64.00 SFT

PCS
-2

MTR Wt LBS
109

14) Our Order PEC-472083- 14 Your PO # 17463

Part # PLATE ASTM B 209 QQ-A-250/12 Rel #

ALUMINUM PLATE 7075T7351

2.50" THICK X 3.2500" X 72.0000"

*** BACK ORDER ***

TOTAL:	Tags	PCS	LBS
	13	26	2151

Heat Number
 201209117
 201210006
 201210303
 21112151
 245298
 25872/01/00
 30286/01/00
 HK079 712
 SF29688
 Z00216020

*** Chemical Analysis ***

Page: 3Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
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25 JUL. 2012

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THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

No: PEC 777693
Ship Date 23Jul12 at 10:57 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

Z00240017
Z00248009

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 BDL, 2 SKIDS GW. 2477 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 4 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

25 JUN. 2012

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SQ BAR 303 STAINLESS
1.00" X 151.0000"
PART NO.

PO/Rel 17463

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-777693-001

23Jul12

Signed by: Pg 1/1

Acciaierie Valbruna S.p.A.



36100 VICENZA (Italia) - Viale della scienza, 25 z.l.

Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clienti / Beteiligte/Partners/Client
VALBRUNA CANADA LTD
8724 HULGATE CRESCENT
CON-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/Usine producer

Avviso di Spedizione: D-VI08000486
Lieferungsbeleg/Posting Note/L.

Ordine nr: 706001820 STOCK
Bestell-/Vorder/Commande

Tipo di Elaborazione: E+AOD
Erzeugungsart/Welding process/Mode d'elaboration

**CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2005) , 3.1**

Certificato nr: MEST576706/2008/
Prüfung/Exam

Conferma ordine nr: EI07004722
Werk-/Order/Ref. nr.

Marchio di Fabbrica:
Zeichen des L. elements/Mark
Tracé marq.
Sigle de l'usine productrice



Punzone del Collaudatore:
Stempel des Werksachverständigen
Inspection's stamp/Prinçon de l'assesseur



Oggetto Prove: - Annealed Cold Drawn
Prüfgegenstand/Item inspected/Prüfgegen

Specifiche:
Anforderungen / Requirements / Exigences

VSI 0 303 A,CF
ASME SA320 2004 B8F 0
ASTM A370 2007A
QQ-S-764 B/2 303 A
(D) SEC.II PT.A 2004 EDITION ADD.2006
(1) Chemical analysis only.

AMS 5640 U S30300 A
ASTM A314 97 S30300
ASTM A562 2005 S30300 A

AMS 5640 U TYPE1 A
ASTM A320 2007A B8F (1)
MIL-S-882 B/1 303

OChemical analysis only.

Qualità: T-303
Werkstoff/Grade/Qualité

Marca: VPAU188Z VALPLUS
Markenbezeichnung/Brand/Qualité

Punzonatura: T-303
Kennzeichnung/Marking/Markage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Produit desor ption Descript. de produit	Dimensioni - In Abmessungen Dimension Dimension	Tolleranza Tol. erranz. Allowance Tolerance	Lunghezza - Ft Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Sackzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0060	Square	1.0000 x 1.0000	484-06B	13 / 13	245298		1.790	706701180

Sono state soddisfatte tutte le condizioni richieste
Die gezeigten Anforderungen sind 1. Anlage erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été livré conforme aux exigences

Controllo antimescolanza: OK
Verwechslungsgefahr: spectranalytisch durchgeführt
Antimixing testing performed: OK
Contrôle antimélange fait: s.a.s.

Controllo visivo e dimensionale: soddisf. le esigenze:
Betrachtung und Ausmessung ohne Beanstandung
Visual inspection and dimensional checks satisfactory
Contrôle visuel et dimensions: satisfaisant

TEST	Provetta/Probe Specimen/Echantillon Long. diam. Round Long. diam. Round Long. diam. Round Long. diam. Round mm	°F	Posiz. Position Position Position mm	Snervamento Deformation Yield Stress Yield Stress Rp 0,2% k.s.i.	Snervamento Deformation Yield Stress Yield Stress Rp 0,2% k.s.i.	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Bruchdehnung Elongation Striction RA %	Resistenza Kerbschlagtest Impact Value Resistance k.s.i.	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/Requirements valeurs demandées	min max									140 255
A	12,5	68	L	80		102	37	50		242

Grain size for ASTM E112

6

1) L=longitudinale/änge, Q=transversale/quers, T=angoniale/longitudinal

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata / Heat Schmelze/Heat	min - max 0,150	1,00	1,50 2,00	7,00 19,00	0,00	1,00	8,00 10,00	-	0,100	0,25 0,35	0,40	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %	-	-	-	-
245298	0,053	0,47	1,79	17,24	0,38	0,71	8,13	0,10	0,029	0,28	0,01	-	-	-	-

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 1h/water.

Micro and macro etch test: OK

Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Mater. at free from Mercury or radio-activity contamination
The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1.4.3.4 by TÜV and LLOYD'S

DAS
14
9-89
12/07/27

Vicenza, 14/01/08 VCO008 (Mod. MCER)	Il collaudatore di stabilimento / der Werksachverständige / Works inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 1
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THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
 .50" x 1.250" X 144.0000"
 PART NO.

PO/Rel 17463

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-777693-003

23Jul12

Signed by: _____

Pg 1/2

KAISER
ALUMINUM
 FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
 FABRICATED PRODUCTS, LLC
 5205 KAISER DRIVE
 KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-236648-4		CUSTOMER PART NUMBER: ALREC00139		PRODUCT DESCRIPTION: 0.500 X 1.250 SQ COR RECT BAR	
KAISER ORDER NUMBER: 612835	LINE ITEM: 004	SHIP DATE: 02/03/2012	KAISER LOT NUMBER: Z00248009	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 494.000 LB	QUANTITY: 56.000 PCS	B/L NUMBER: 602545	DIAM/DIA/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00248009	0C01	1	45.9	43.1	15.5	RE 91	N/A	N/A
Z00248009	0C01	2	47.0	44.1	16.2	RE 92	N/A	N/A
Z00248009	0C01	3	46.5	43.6	17.1	RE 94	N/A	N/A
Z00248009	0C01	4	47.1	44.5	17.1	RE 91	N/A	N/A
Z00248009	0C01	5	46.5	43.8	16.5	RE 88	N/A	N/A
Z00248009	0001	6	46.0	43.0	17.9	RE 94	N/A	N/A
Z00248009	0001	7	45.6	42.3	15.9	RE 93	N/A	N/A
Z00248009	0001	8	46.2	43.3	16.1	RE 91	N/A	N/A
Z00248009	0001	9	46.5	43.7	17.9	RE 93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101C84	.73	.37	.29	.08	.94	.10	.08	.03	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-08-STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 UNS#96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

DAS
 14
 2-89 12/07/27

Plant Serial: 00028007
 Kaiser Order Number: 612835
 Line Item: 004

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.50" x 1.250" X 144.0000"

PART NO.

PO/Rel 17463

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-777693-003

23Jul12

Signed by: _____

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Alex Yeh

Plant Serial: 00028007

Kaiser Order Number: 612835

Line Item: 004

Page 2 of 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM EXTRUDED BAR 6061-T6511
1.00" x 4.00" x 144.0000"
PART NO.

PO/Rel 17463

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-777693-006
23Jul12
Pg 1/1



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
152409	3

BILL TO	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	162248	RB0128	6/19/2012	ASTM-B221-12 StencilContinuous
SHIP TO	CUSTOMER PO	ALLOY/TEMPER	SALES PERSON	SPECIFICATION
ThyssenKrupp Materials NA PEC	PEC-239753	6061-T6511	David Schroeder	AMS-QQA-200/8-07
Quantity Certified	CUSTOMER PART NUMBER	DESCRIPTION		
1,482 lbs	RB0128	SCRB 1.000x4.000		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCA

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201210303	06/12/12	50.2	46.9	14.9

045
14
8-83
12/07/27

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Others	Melt Source:
0512135	6061	0.73	0.38	0.31	0.09	0.84	0.09	0.07	0.02	97.47	0.05	0.15		United States of America

Print Date: 6/19/2012

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 8/23/11-LMS

THYSSENKRUPP MATERIALS NA

PO/Rel 17463

Certificate of Mill Test Results

ALUMINUM EXTRUDED BAR 6061-T6511
1.50" x 2.00" x 144.0000"
PART NO.

BL PEC-77693-008

23Jul12
Pg 1/1

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

ORDER NUMBER	ITEM
152110	12

BILL TO	MANIFEST NUMBER	LINE NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	161536	RB0138	6/8/2012	ASTM-B221-12 StencilContinuous
SHIP TO	CUSTOMER PO	ALLOY / TEMPER	SALESPERSON	SPECIFICATION
ThyssenKrupp Materials NA PEC	PEC-239616	6061-T6511	David Schroeder	AMS-QQA-200/8-07
Quantity Certified	CUSTOMER PART NUMBER	DESCRIPTION		
1,369 lbs	RB0138	SCRB 1.500x2.000		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SKM extrusions are manufactured in the USA.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
91	201209117	05/25/12	51.5	49.2	14.9
92	201209117	05/25/12	49.9	46.8	15.1
93	201209117	05/25/12	49.2	46.4	15.6
94	201209117	05/25/12	49.1	46.0	16.8
95	201209117	05/25/12	49.3	46.7	15.2
96	201209117	05/25/12	49.3	45.9	15.3

Handwritten notes: "DAS 14 8-89" and "12/02/27"

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	
											Each	Total
031424	6061	0.77	0.38	0.35	0.11	0.91	0.09	0.06	0.02	97.31	0.05	0.15
032224	6061	0.72	0.38	0.30	0.09	0.86	0.09	0.06	0.02	97.48	0.05	0.15
032725	6061	0.74	0.36	0.32	0.10	0.84	0.09	0.08	0.02	97.45	0.05	0.15

Melt Source:
United States of America

Print Date: 6/8/2012

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 8/29/11 - LMS

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

1.00" DIA X 144.0000"

PART NO.

PO/Rel 17463

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-777693-010

23Jul12

Pg 1/2

Signed by: _____

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-239097-5		CUSTOMER PART NUMBER: 015246-2		PRODUCT DESCRIPTION: KAISERSELECT PRECISION ROD 1.000+/- .004	
KAISER ORDER NUMBER: 620138	LINE ITEM: 005	SHIP DATE: 05/11/2012	KAISER LOT NUMBER: Z00216020	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 2922.000 LB	QUANTITY: 264.000 PCS	B/L NUMBER: 603400	DIAM/DAF/THKNS: 1.000	WIDTH: 1.000	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z0021602C	0C01	1	51.2	49.0	16.9	RE 94	N/A	N/A
Z0021602C	0C01	2	50.9	48.6	16.3	RE 93	N/A	N/A
Z0021602C	0C01	3	50.7	48.6	16.9	RE 93	N/A	N/A
Z0021602C	0C01	4	50.1	47.4	15.8	RE 93	N/A	N/A
Z0021602C	0C01	5	51.1	48.9	16.6	RE 94	N/A	N/A
Z0021602C	0C01	6	51.6	49.3	16.4	RE 94	N/A	N/A
Z0021602C	0C01	7	51.2	48.9	17.3	RE 95	N/A	N/A
Z0021602C	0002	1	49.7	47.2	17.4	RE 94	N/A	N/A
Z0021602C	0002	2	49.6	47.0	16.6	RE 95	N/A	N/A
Z0021602C	0002	3	50.1	47.9	15.7	RE 94	N/A	N/A
Z0021602C	0002	4	50.3	47.9	16.9	RE 94	N/A	N/A
Z0021602C	0002	5	49.5	47.9	16.9	RE 93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.30	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101538	.72	.32	.28	.09	.95	.09	.05	.03	.00	.00	.00	.01	.03

Applicable Requirements:

PER ASTM-B221-08, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 UNS# A96061
MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL
PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

DAS
14
9-89 12/07/27

Plant Serial: 00043535
Kaiser Order Number: 620138
Line Item: 005

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

1.00" DIA X 144.0000"

PART NO.

PO/Rel 17463

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-777693-010

23Jul12

Signed by: _____

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Alex Yeh

Plant Serial: 00043535
Kaiser Order Number: 620138
Line Item: 005

DART AEROSPACE

PO/Rel 17463

BL PEC-777693-013

23Jul12

ALUMINUM SHEET 6061 T6
.1250 Nom X 48.0000" X 96.0000"
PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: _____

Pg 1/2



Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate – mill certificate

Nr.: 85283529 06 / 9

Rev. 0

Seite / page: 1 von / of 2

Datum / date: 2012 04 11

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

Auftraggeber / customer: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON Warenempfänger / consignee: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON Endkunde, Bestell-Nr. / Your cust., ord. no.:	Bestell Nr. / order no.: PEC-237401 Datum / date: 2012 03 05
	Auftragsbest. Nr. / order confirm. no.: 638423 Datum / date: 2012 03 06
	Lieferschein Nr. / delivery note: 85283529 Datum / date: 2012 04 30
	Akkreditiv Nr. / letter of credit no.:

Produkt/product	Bedingungen/terms
Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim: [inch]: 0,125x48,00x96,00 Kundenartikel-Nr / customer article no.:	Techn. Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 07 Material meets also the mech. properties of AMS 4027N, 07.2008, but not marked ANSI H35.2-2009 ASME SB 209, 2007 Sondervorschrift / special terms:

AB-Pos. ord.-Item.	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
04	30286/01/00	01/0049556/2	6061.1	6384230007	4003,527 lbs	73
04	30286/01/00	01/0049556/2	6061.1	6384230008	4001,323 lbs	73

Chemische Zusammensetzung / chemical composition: [%] Gewichtsanteile / weight proportion (OES)											
Guss Nr. / cast no.	AMAG designation	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	
01/0049556/2	6061.1 actual	0,68	0,43	0,26	0,12	0,93	0,18	0,01	0,05	0,06	

Zugversuch / Tensile test									
BNr/Los Lot/No.	Zustand temper	Richtung direction			Rm [ksi]	Rp0.2 [ksi]	A2" [%]		
30286/01	T6	LT			47,4	41,0	15		
30286/01	T6	LT			47,1	40,6	14		
30286/01	T6	LT			47,1	40,6	14		
30286/01	T6	LT			47,1	40,8	14		
30286/01	T6	LT			47,0	40,3	16		
30286/01	T6	LT			47,0	40,3	15		
30286/01	T6	LT			47,1	40,5	15		
30286/01	T6	LT			47,4	40,6	15		
30286/01	T6	LT			47,9	41,0	15		

AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich – www.amag.at
 AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria – www.amag.at

DAS
14
9-89
12/07/22



Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate – mill certificate

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Nr.: 85283529 06 / 9

Rev. 0

Seite / page: 2 von / of 2

Datum / date: 2012 04 11

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.
We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Josef Klampfer	j.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
1200 Nom X 48,000" X 120,000"
PART NO.

PO/Rel 17463

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-77693-002

23Jul12
Pg 1/1

Signed by:

12/07/27
14
8-89

产品质量证明书 MILL TEST CERTIFICATE

订单号: 621998
行名: GLOBAL STAINLESS STEEL INC.
订单号: 621998
行名: GLOBAL STAINLESS STEEL INC.
商品名: COIL ROLLED STAINLESS
COMMODITY: STEEL SHEET BLANK EDGE

发票号: M120302001
开票日期: 2012-4-15
日期

DMSSC 江苏大明金属制品有限公司
JANGSU DAMING METAL PRODUCTS CO., LTD
地址: 江阴市南门外大街1号
江阴市南门外大街1号
江阴市南门外大街1号
江阴市南门外大街1号

序号 No.	Product No.	序号 Type	表面加工 Surface Finish	产品尺寸 Product Size			重量 NET Weight KG	标准 Standard Specification	机械性能 Mechanical Properties			表面 处理 Surface Treatment	材料 Material	材料 Material	材料 Material	化学成分 Chemical Composition (%)						
				厚度 Thickness MM	宽度 Width MM	长度 Length MM			屈服强度 Yield Strength MPa	抗拉强度 Tensile Strength MPa	伸长率 Elongation %					C	Si	Mn	P	S	Ni	Cr
1	P001683380	304	2B	0.5	1219	2438	910.04	ASTM A240	275	731	65	167	QW10130C	SF28811	0.0510	0.5190	1.0620	0.0021	0.0057	8.02	18.26	1
2	P001683381	304	2B	0.5	1219	2438	908.06	ASTM A240	275	731	65	167	QW10130C	SF28811	0.0510	0.5190	1.0620	0.0021	0.0057	8.02	18.26	1
3	P001715073	304	2B	0.3	1219	2438	905.00	ASTM A240	270	731	60	167	QW10130C	SF28811	0.0469	0.5120	1.0540	0.0018	0.0064	8.02	18.32	1
4	P001683379	304	2B	1.5	1219	2438	1818.74	ASTM A240	273	692	62	168	QW10270B	SF30003	0.0378	0.4400	1.0270	0.0185	0.0022	8.05	18.17	1
5	P001683320	304	2B	1.5	1219	2438	1831.40	ASTM A240	273	692	62	168	QW10270B	SF30003	0.0378	0.4400	1.0270	0.0185	0.0022	8.05	18.17	1
6	P001683321	304	2B	1.5	1219	2438	1831.40	ASTM A240	273	692	62	168	QW10270B	SF30003	0.0378	0.4400	1.0270	0.0185	0.0022	8.05	18.17	1
7	P001720553	304	2B	2.0	1219	2438	908.06	ASTM A240	285	794	58	173	QW10270B	SF28811	0.0528	0.5120	1.0540	0.0018	0.0064	8.02	18.17	1
8	P001683435	304	2B	3.0	1219	2438	1423.00	ASTM A240	281	663	61	175	QW10270B	SF28811	0.0514	0.4810	1.1420	0.0185	0.0022	8.05	18.14	1
9	P001683423	304	2B	3.0	1219	2438	1423.00	ASTM A240	281	663	61	175	QW10270B	SF28811	0.0514	0.4810	1.1420	0.0185	0.0022	8.05	18.14	1
10	P001683408	304	2B	2.0	1219	2438	1423.00	ASTM A240	281	663	61	175	QW10270B	SF28811	0.0514	0.4810	1.1420	0.0185	0.0022	8.05	18.17	1
11	P001705121	304	2B	2.5	1219	2438	1363.94	ASTM A240	287	714	56	174	QW10023A	SF30003	0.0578	0.4400	1.0270	0.0185	0.0022	8.05	18.14	1
12	P001680782	304	2B	1.5	1219	2438	1800.46	ASTM A240	287	664	60	164	QW10107A	SF30002	0.0476	0.5270	1.0650	0.0036	0.0068	8.04	18.22	1
13	P001683768	304	2B	1.5	1219	2438	1876.55	ASTM A240	287	664	60	164	QW10107A	SF30002	0.0476	0.5270	1.0650	0.0036	0.0068	8.04	18.22	1
14	P001683755	304	2B	2.0	1219	2438	1993.80	ASTM A240	315	647	53	163	QW11234070A10	CF106865	0.0400	0.4500	1.0800	0.0300	0.0010	6.1	18.21	0.046
15	P001701036	304	2B	2.5	1219	2438	1670.30	ASTM A240	287	714	55	174	QW10023A	SF30003	0.0378	0.4400	1.0270	0.0185	0.0022	8.05	18.17	1
16	P001701037	304	2B	2.5	1219	2438	1670.30	ASTM A240	287	714	55	174	QW10023A	SF30003	0.0378	0.4400	1.0270	0.0185	0.0022	8.05	18.17	1

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLAT BAR 6061-T6511
50" X 6.00" X 144.0000"
PART NO.

PO/Rel 17463

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PBC-777693-004
23Jul12
Pg 1/1



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
152110	6

BILL TO	MANIFEST NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	161978	6/14/2012	ASTM-B221-12 StencilContinuous
SHIP TO	CUSTOMER PO	ALLOY / TEMPER	SPECIFICATION
ThyssenKrupp Materials NA PEC	PEC-239616	6061-T6511	AMS-QQA-200/8-07
Quantity Certified	CUSTOMER PART NUMBER	DESCRIPTION	
1,143 lbs 27 pcs	PL0102	PL 500X6 000	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCA

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties		Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
Tests	Lot No.				
1	201210006	06/09/12	49.1	47.0	14.5
2	201210006	06/09/12	50.8	46.5	15.0

12/07/27
14
14
14

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others
060421	6061	0.74	0.37	0.33	0.10	0.90	0.09	0.08	0.02	97.37	Each Total
											Melt Source: United States of America
											0.05 0.15

Print Date: 6/14/2012

Calvin J. Wiggins, Director of Quality & Technical Services

REV. 9/23/11 - JMS

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511

1.250" X 144.0000"

PART NO.

PO/Rel 17463

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-777693-007

23Jul12

Pg 1/2

Signed by: _____

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-240344-2		CUSTOMER PART NUMBER: ALSQ00100		PRODUCT DESCRIPTION: 1.250 SC SQ BAR	
KAISER ORDER NUMBER: 623482	LINE ITEM: 002	SHIP DATE: 07/06/2012	KAISER LOT NUMBER: Z00240017	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1058.000 LB	QUANTITY: 48.000 PCS	B/L NUMBER: 603828	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00240017	0001	1	52.8	50.5	16.6	RE 93	N/A	N/A
Z00240017	0001	2	51.6	49.0	17.8	RE 93	N/A	N/A
Z00240017	0001	3	51.9	49.4	17.5	RE 94	N/A	N/A
Z00240017	0001	4	52.9	50.7	16.2	RE 93	N/A	N/A
Z00240017	0001	5	52.5	50.1	17.9	RE 94	N/A	N/A
Z00240017	0001	6	51.4	49.0	17.7	RE 94	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101758	.67	.26	.24	.09	.92	.09	.02	.03	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-12 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 (2007) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

DAS
14
9-83 12/07/27

Plant Serial: C0050003
Kaiser Order Number: 623482
Line Item: 002

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511

1.250" X 144.0000"

PART NO.

PO/Rel 17463

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-777693-007

23Jul12

Signed by: _____

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager

Calvin Latting

Plant Serial: 00050303
Kaiser Order Number: 623482
Line Item: 002

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
3.50" DIA X 144.000"
PART NO.

PO/Rel 17463

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-77693-011

23Jul12
Pg 1/2

Signed by:

Sapa:

Sapa Industrial Extrusions
53 POTTSVILLE STREET
CRENSHAW, PA
17929-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoiced To Customer

THYSSENKRUPP MATERIALS NA INC
2821 LANGSTAFF ROAD
ATTN: ACCOUNT PAYABLE

Ship To Customer

THYSSENKRUPP MATERIALS NA INC
2821 LANGSTAFF ROAD

CONCORD, ON - L4K5C6

Certified Inspection Report

Sales Order Number	Line No.	Customer PO	Cert Number	Page
1100483665	1	PEC-240110-001	SAPA91092	1 of 2
			Cert Creation Date	Cert Trial Date
			25-JUN-12	25-JUN-12

Quantity Shipped	Unit	Date Shipped	Item Description	Specification
1900	LB	25-JUN-12	Barred ACC-U-ROD 3.500 DIA +/- .012 SECT 500328	ASTM B221 REV 12 AMS-QQ-A-2008 REV ASME SB221 REV 09 UNSA96061 REV SAD1464 REV Meets 6061-T6511H, 6061-T6511, REV
B/L		Item No.	400305626	
339465		Item No. Rev	W/F 11.314 F.1 CS 3.5	
Delivery Id		Item No. Rev	6061/T6511H	
4330967		Customer Part No.	Marking CONTINUOUS	
3.SER+				

Applicable Specifications, Revisions and Exceptions

COMPOSITION NOTE: The values for "Others Total" have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Signature And Title

William T. Martin, III

William Martin III

25-JUN-12

Technical Quality Manager

Legal Statement
We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material and the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Package Number	Lot Number	Quantity	Unit	Weight	Net
G12-PKG1711554	21112151	7	PCS	956	950
G12-PKG1711554	21112151				
G12-PKG1711554	21112151				
G12-PKG1711558	21112151	7	PCS	956	950

Composition Limits

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6S11
3.50" DIA X 144.0000"
PART NO.

PO/Rel 17463

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-77693-011
23Jul12
Pg 2/2

Sapa

Sapa Industrial Extrusions
53 POTTSVILLE STREET
CRESSONA, PA
17929-0187

Certified Inspection Report

Sale Order Number	Line No.	Customer P/O	Cert Number	Page
1100483665	1	PEC-240110-001	SAPA591092	2 of 2
			Cert Creation Date	Cert Print Date
			25-JUN-12	25-JUN-12

Alloy	Si		Mn		Cu		Mg		Cr	Zn			
	Min	Max	Min	Max	Min	Max	Min	Max					
6061	0.40	0.80	—	0.70	0.15	0.40	—	0.80	1.20	0.04	0.35	—	0.25
Alloy	Ti		Fe		Pb		Others Each		Others Total				
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max			
6061	—	0.15	—	0.05	—	0.05	—	0.05	—	0.15			

Composition Results

Element / Unit	Si	Mn	Pb	Cu	Mg	Cr	Zn
4028239	0.69	0.30	0.31	0.10	0.87	0.13	0.04

Mechanical Property - Test Limits

Test Type	UTS - L	YTS - L	EL. 4B-Long
100M	KSI	KSI	PCI
Test Results	2112151	2	51.4
Test Results	53.3	48.3	50.3
Test Results	12.5	13.0	13.0

Cert Notes

Product manufactured with a T6S11 temper also meet T6 temper requirements.
Yield strength has been determined by the 0.2% offset method.

All Mill Finish Alloys produced at Sapa Extrusions comply with 0.4% Maximum Lead per RoHS, with the exception of 6062 alloy.
In accordance with EN 10204 Inspection Certificate Type 3.1
Valid in the USA or Other Qualified Countries as Defined by DPA89 225.M7.1
Made in USA

DA5
14
8-88

12/07/27

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.750" X 1.50" X 144.0000"

PART NO.

PO/Rel 17463

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-777693-005

23Jul12

Pg 1/2

Signed by: _____

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-239300-1		CUSTOMER PART NUMBER: ALREC00806		PRODUCT DESCRIPTION: .750 X 1.500 SC RECT BAR	
KAISER ORDER NUMBER: 621011	LINE ITEM: 001	SHIP DATE: 05/25/2012	KAISER LOT NUMBER: HK079 712	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 508.000 LB	QUANTITY: 32.000 PCS	B/L NUMBER: 603528	DIAM/DAF/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK079 712	0001	0001	43.0	41.6	19.4	RE 97	N/A	N/A
HK079 712	0001	0002	43.1	38.1	20.5	RE 97	N/A	N/A
HK079 712	0001	0003	43.0	41.6	20.8	RE 97	N/A	N/A
HK079 712	0001	0004	46.7	39.3	20.3	RE 97	N/A	N/A
HK079 712	0001	0005	47.4	43.3	18.0	RE 97	N/A	N/A
HK079 712	0001	0006	47.8	40.0	18.0	RE 97	N/A	N/A
HK079 712	0001	0007	43.0	42.9	18.6	RE 97	N/A	N/A
HK079 712	0001	0008	43.0	41.9	18.3	RE 97	N/A	N/A
HK079 712	0001	0009	46.9	41.3	19.4	RE 97	N/A	N/A
HK079 712	0001	0010	47.9	40.1	19.8	RE 97	N/A	N/A
HK079 712	0001	0011	46.9	38.6	15.9	RE 97	N/A	N/A
HK079 712	0001	0012	48.1	44.4	19.7	RE 96	N/A	N/A
HK079 712	0001	0013	48.0	42.2	21.7	RE 96	N/A	N/A
HK079 712	0001	0014	47.0	42.1	18.7	RE 96	N/A	N/A
HK079 712	0001	0015	47.5	39.4	17.6	RE 96	N/A	N/A
HK079 712	0001	0016	48.4	40.4	15.1	RE 96	N/A	N/A
HK079 712	0001	0017	48.0	41.9	19.5	RE 95	N/A	N/A
HK079 712	0001	0018	48.1	43.1	17.6	RE 95	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
A32603	.68	.32	.24	.05	.98	.11	.06	.01	.00	.00	.00	.00	.01
A32602	.69	.32	.23	.05	.95	.10	.04	.02	.00	.00	.00	.00	.00
A32601	.70	.30	.24	.06	.97	.11	.05	.02	.00	.00	.00	.00	.00

Applicable Requirements:

DAS
14 12/07/22
9-89

Plant Serial: 00045426

Kaiser Order Number: 621011

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.750" X 1.50" X 144.0000"

PART NO.

PO/Rel 17463

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-777693-005

23Jul12

Pg 2/2

Signed by: _____

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

ASTM-B221-08-STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 UNS#96061 (T6511 also
conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been
inspected and tested and found in conformance with applicable specifications forming a part of the
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Alex Yeh

DAS
14
2-89 12/07/27

Plant Serial: 00045426
Kaiser Order Number: 621011
Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
2.00" x 2.50" x 144.0000"
PART NO. OFFERING*****

PO/Rel 17463

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: _____

Certificate of Mill Test Results
BL PBC-777693-009
23Jul12
Pg 1/1



ALUMINUM

TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST REPORT

BILL TO
THYSSENKRUPP MATERIALS NA
SHIP TO
THYSSENKRUPP MATERIALS NA
SO DESCRIPTION
2"x2.5" FB

Cart Code: 1
CUSTOMER PO
PEC-239512
CUSTOMER PART NUMBER
DATE OF SHIPMENT
0.02
DIE NUMBER
S 23922
ALLOY
6061 T6511
SALESMAN
FORBES DODWELL
PART DESCRIPTION

EXTRUDEX ORDER NO. 146935 - 4
MANIFEST NO. 270266
MADE IN CANADA
CERTIFICATION
MILL TEST ASTM B221

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A 11	6061	Jul/13/12	45.2	42.4	13.30	89.3, 89.0, 89.8	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Ca	Al	Other
A.11 C7331164 6061	0.61	0.18	0.19	0.01	0.86	0.06	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

David Natale
Quality Control Manager

David Natale

12/07/27
148

1 - CUSTOMER COPY

MILL TEST REPORT

DART AEROSPACE

ALUMINUM SHEET 6061 T6
 .0810 Nom X 48.0000" X 144.0000"
 PART NO.

PO/Rel 17463

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

BL PEC-777693-012

23Jul12

Signed by: _____ Pg 1/2



Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate – mill certificate

Nr.: 85289222 02 / 7

Rev. 0

Seite / page: 1 von / of 2

Datum / date: 2012 02 15

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Bestell Nr. / order no.: PEC-236262 Datum / date: 2012 01 19
	Auftragsbest. Nr. / order confirm. no.: 636296 Datum / date: 2012 01 20
Warenempfänger / consignee: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Lieferschein Nr. / delivery note: 85289222 Datum / date: 2012 02 29
	Akkreditiv Nr. / letter of credit no.:
Endkunde, Bestell-Nr. / Your cust., ord. no.:	

Produkt/product	Bedingungen/terms
Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim: [inch]: 0,080x48,00x144,00 Kundenartikel-Nr / customer article no.:	Techn. Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 07 Material meets also the mech. properties of AMS 4027N, 07.2008, but not marked ANSI H35.2-2009 ASME SB 209, 2007 Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los/Telllos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo: packno.	Gewicht netto weight net	Stk. pcs.
02	25872/01/00	01/0047294/1	6061.1	6362960002	4029,982 lbs	77

Chemische Zusammensetzung / chemical composition: [%] Gewichtsanteile / weight proportion (OES)											
Guss Nr. / cast no.	AMAG designation	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	
01/0047294/1	6061.1 actual	0,65	0,48	0,23	0,11	0,91	0,18	0,01	0,04	0,06	

Zugversuch / Tensile test										
BNr/Los Lot/No.	Zustand temper	Richtung direction			Rm [ksi]	Rp0.2 [ksi]	A2" [%]			
25872/01	T6	LT			47,0	39,2	16			
25872/01	T6	LT			47,1	39,2	15			
25872/01	T6	LT			47,3	39,3	15			
25872/01	T6	LT			47,0	39,2	16			
25872/01	T6	LT			46,8	39,0	16			
25872/01	T6	LT			46,7	38,9	15			
25872/01	T6	LT			46,7	38,9	15			
25872/01	T6	LT			46,8	39,0	16			
25872/01	T6	LT			46,6	38,7	15			

Das
14
289 12/07/27

AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich – www.amag.at
 AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria – www.amag.at



Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate – mill certificate

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

Nr.: 85289222 02 / 7

Rev. 0

Seite / page: 2 von / of 2

Datum / date: 2012 02 15

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.
We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Josef Klampfer	j.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO17463**

Purchase Order Date 7/17/12

PO Print Date 7/17/12

Page Number 1 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone 905 669 9444
Vendor Fax 905 738 9033
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Ship To :

DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
3	M303B1.000X1.000 050	303 BAR 1" X 1"	7/25/12 Yes	12.00 f 12.7 (12/1/26)	Yours ppd	\$13.7500	\$165.00
		Special Inst:	MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE				
4	M304B0.500X2.500 050	304 BAR .500 x 2.50	7/25/12 Yes	24.00 f (12/1/26)	Yours ppd	\$12.9083	\$309.80
		Special Inst:	AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 (NOTE: AISI 303 NOT ACCEPTABLE)				
5	M304B0.625X3.000 050	304 BAR .625 X 3.00	7/25/12 Yes	12.00 f	Yours ppd	\$20.2500	\$243.00

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 2

Change Date: 7/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO17463

Purchase Order Date 7/17/12

PO Print Date 7/17/12

Page Number 2 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

905 669 9444

905 738 9033

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Destination-Collect

Special Inst:

AISI 304/316 SS BAR OR AISI 304/316 SS
PLATE
AS PER ASTM A276 OR ASTM A240

(NOTE: AISI 303 NOT ACCEPTABLE)

6

M304S11GA

000

304/316 0.125 Sheet

7/23/12

Yes

280.00

sf

Yours ppd

\$9.0193

\$2,525.40

1

Special Inst:

MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

7

M6061T6B0.500X01.250

010

6061-T6 Bar .500 x 1.25

7/23/12

Yes

24.00

f

Yours ppd

\$1.5750

\$37.80

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

8

M6061T6B0.500X06.000

004

6061-T6 Bar .500 x 6.00

7/23/12

Yes

24.00

f

Yours ppd

\$7.1667

\$172.00

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required **YES** NO

Change Nbr:

2

Change Date:

7/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO17463

Purchase Order Date 7/17/12

PO Print Date 7/17/12

Page Number 3 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

9 M6061T6B0.750X01.500

6061-T6 Bar .750 X 1.50

7/23/12

Yes

✓ 24.00

f Yours ppd

\$2.6667

\$64.00

003

6/12/12/24

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

10 M6061T6B1.000X04.000

6061-T6 Bar 1.00 x 4.00

7/23/12

Yes

✓ 24.00

f Yours ppd

\$9.4167

\$226.00

004

6/12/12/26

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

11 M6061T6B1.250X01.250

6061-T6 Bar 1.25 x 1.25

7/23/12

Yes

✓ 12.00

f Yours ppd

\$3.6667

\$44.00

003

6/12/12/24

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 2

Change Date: 7/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO17463**

Purchase Order Date 7/17/12

PO Print Date 7/17/12

Page Number 4 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

12

M6061T6B1.500X02.000

6061-T6 Bar 1.50 x 2.00

7/23/12

Yes

12.00

Yours ppd

\$7.0000

\$84.00

010

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

13

M6061T6B2.000X02.250

6061-T6 Bar 2.00 x 2.25

7/23/12

Yes

12.00

Yours ppd

\$11.8333

\$142.00

009

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

14

M6061T6R1.000

ROUND BAR 1.00"

7/23/12

Yes

24.00

Yours ppd

\$1.8333

\$44.00

d3

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required **YES** NO

Change Nbr:

2

Change Date:

7/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO17463**

Purchase Order Date 7/17/12

PO Print Date 7/17/12

Page Number 5 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/
4115/4116 OR QQ-A-200/8 OR AMS-QQ-
A-200/8 OR AMS 4160
OR ASTM B211 OR ASTM B221

15	M6061T6R3.500 006	6061 RD bar 3.50	7/23/12 Yes	12.00 f	Yours ppd 1/12/12	\$23.5000	\$282.00
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Special Inst:

MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/
4115/4116 OR QQ-A-200/8 OR AMS-QQ-
A-200/8 OR AMS 4160
OR ASTM B211 OR ASTM B221

16	M6061T6S.032 021	6061-T6 Sheet 0.032"	7/23/12 Yes	96.00 sf	Yours ppd	\$1.9792	\$190.00
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Special Inst:

MATERIAL: 6061-T6/T62 ALUMINUM
SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-
250/11 OR
AMS 4025 OR AMS 4027 OR ASTM B209

17	M6061T6S.080 621	6061-T6 .080 Sheet	7/23/12 Yes	96.00 sf	Yours ppd 1/14/12	\$3.1042	\$298.00
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No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required **YES** NO

Change Nbr: 2

Change Date: 7/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO17463**

Purchase Order Date 7/17/12

PO Print Date 7/17/12

Page Number 6 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone 905 669 9444
Vendor Fax 905 738 9033
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Special Inst: MATERIAL: 6061-T6/T62 ALUMINUM
SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-
250/11 OR
AMS 4025 OR AMS 4027 OR ASTM B209

18	M6061T6S.125	6061-T6 .125 Sheet	7/23/12	64.00	Yours ppd	\$4.8438	\$310.00
			Yes	\$f			

021

10/12/12

Special Inst: MATERIAL: 6061-T6/T62 ALUMINUM
SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-
250/11 OR
AMS 4025 OR AMS 4027 OR ASTM B209

19	M7075T73B2.500X03.25	7075-T73 Bar 2.50 x 3.25	7/23/12	6.00	Yours ppd	\$49.6667	\$298.00
			Yes	f			

008

Special Inst: 7075-T73 (OR 7075-
T7351/T73510/T73511) BAR PER ASM-
QQ-A-200/11 OR AMS-QQ-A-225/9 (AMS
4124) OR AMS-QQ-A-250/12 (AMS 4078)

PO Total: \$5,435.00

CL

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required **YES** NO

Change Nbr: 2

Change Date: 7/17/12